

Abstract of the Disclosure

The invention provides a fiber optic sensing system for use in environments hostile to electronics. The system comprises an optical
5 module comprising a light source and a photodetector, a probe comprising a glass optical fiber core, preferably with a transducer sensitive to the measurement parameter coupled thereto, an extension comprising a plastic optical fiber core, a first connector configured to optically couple the extension to the probe and a second connector
10 configured to optically couple the extension to the optical module. Light emitted from the light source is transmitted to the transducer on the probe and returned to the photodetector by the extension.